



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20030016

Agency Interest No. 1433

Mr. W. Keith Baggett, Factory Manager
CHEMTURA USA CORP.
Post Office Box 397
Geismar, Louisiana 70734

RE: Part 70 Operating Permit CHEMTURA USA CORP. - Geismar Plant, THIAZOLES® Unit,
CHEMTURA USA CORP., Geismar, Ascension Parish, Louisiana

Dear Mr. Baggett:

This is to inform you that the Part 70 Operating Permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2099-V2

Sincerely,

Chuck Carr Brown Ph.D.

Assistant Secretary

CCB:cet

cc: EPA Region VI

ENVIRONMENTAL SERVICES

; PO BOX 4313, BATON ROUGE, LA 70821-4313

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**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**GEISMAR PLANT-THIAZOLES® UNIT
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433**

I. Background

CHEMTURA USA CORP operates an integrated chemical production facility approximately 0.9 miles from Geismar, in Ascension Parish. The Geismar facility is a major source under the Part 70 Operating Permit Program. In 2001, the company name was changed from Uniroyal Chemical Co., Inc. to Crompton Manufacturing Company, Inc. and in 2006, the company's name was changed to CHEMTURA USA CORP., (hereinafter "CHEMTURA").

The process units that exist on this site include: FLEXZONE®, THIAZOLES®, CELOGEN® OT-MBT, CELOGEN® AZ, Maleic Hydrazide (MH/MBT), para-aminodiphenylamine (UBOB), and BHT/B-NINE. Other units produce EPDM synthetic rubber, ROYALENE®/TRILENE®. Support processes on site include a maintenance/lab area and several wastewater treatment plants.

This Part 70 operating permit is for the THIAZOLES® Unit. The Initial Part 70 Operating Permit, Permit No. 2099-V0 was issued for the THIAZOLES® Unit on January 28, 1999. This permit was amended June 18, 2003. The THIAZOLES® Unit currently operates under a modification request to the Part 70 operating permit identified as Permit No. 2099-V1, dated November 12, 2003. This unit has been in operation since 1973.

II. Origin

A permit modification/renewal application and updated Emission Inventory Questionnaire (EIQ), were submitted by CHEMTURA on July 28, 2003, requesting modification/renewal of the Part 70 Operating Permit. On July 23 and 30, 2004, the company submitted supplemental information to the permit modification/renewal application and EIQ. Additional information, dated July 30, August 20, September 29, October 29, and December 2, 2004 was also received. On March 9 and 18, 2005 a revised application/updated EIQ was received, and supplemental information was received on September 19, 2005 and January 3, 2006.

III. Description

In the THIAZOLES® Unit, mercaptobenzothiazole (MBT) is produced from a series of reactions of aniline, carbon disulfide, and other reactants in toluene. Vents from the reactors and MBT recovery steps are routed to the Sulfur Recovery Unit (SRU), and then to the incinerator, followed by the scrubber, which operate under the SRU - Incinerator Permit

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PERMITS DIVISION
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GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

identified as Permit Number 2305-V1. The product is crystallized, dried, and transferred to storage. MBT is temporarily stored and then sold or further processed to produce sodium mercaptobenzothiazole (NaMBT).

The intermediate MBT reacts with sodium hypochlorite, t-butylamine, cyclohexylamine, and two other reactants to produce NaMBT. Unreacted chemicals are recovered and rerouted to the NaMBT reactor which is vented to the atmosphere through a scrubber. Particulate emissions from the product transfer and storage are controlled by dust collectors.

Emissions from several reactant storage tanks are routed to the THIAZOLES® flare which is also used to control emissions from the UBOB, BHT/B-NINE, FLEXZONE, and MIBK Recovery Units when the BHT Flare EQT403/EIQ156 is not operating. Additionally, as a safety mechanism, the vent line to the SRU EQT163/EIQ100 is equipped with a three-way valve and by-pass to the THIAZOLES® flare. In the event of a shutdown of the thermal reactor on the SRU, the acid gas feed is automatically diverted to the THIAZOLES® flare. The THIAZOLES® flare acts as a temporary secondary control device during SRU shutdown for destruction of hydrogen sulfide and carbon disulfide emissions. If unscheduled maintenance is necessary on the SRU and the SRU cannot be restarted within fifteen (15) minutes, then the THIAZOLES® process is shutdown while the unscheduled maintenance is conducted.

This modification/renewal permit allows for the following:

- An increase in the emission rate of several emission points, associated with the change in the split of products identified as Delac NS and Delac S, emission points EQT180, EQT184, EQT187, EQT188, and EQT212
- Removal of VOC speciation from several emission points as the pollutants are not required to be speciated (cyclohexylamine and tertiary butyl amine), emission points EQT180, EQT184, EQT187, EQT188, and EQT212.
- Transferral of emission points EIQ 9002 and EIQ 85, cooling tower and sulfur pit, to the Sulfur Recovery Unit (SRU) Permit.
- Adding a dust collector, emission point EQT240 to capture fugitive dust emissions from the finishing building.
- Routing hydrogen sulfide emissions from several emission points, EQT178, EQT179, EQT206, and MBT Recovery to the caustic scrubber, emission point EQT239.
- Diverting emissions of hydrogen sulfide and carbon disulfide to the flare, emission point EQT183 (EIQ 103) from unplanned shutdowns of the SRU.
- Inclusion of an alternate operating scenario for the process flare, emission point EQT183 (EIQ 103ALT) to use the THIAZOLES® Flare as backup for the BHT Flare for the FLEXZONE® Unit process when the BHT Flare is not in service.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® UNIT
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GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

- Deletion of emission point EIQ 9003 as the oil expansion tank is included as an insignificant activity.
- Deletion of emission point EIQ 9007 as the filter is no longer in use and removed from service.
- Deletion of emission point EIQ 9024 as the storage tank was removed from service.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	22.74	20.60	-2.14
SO ₂	10.77	14.24	+3.47
NO _x	25.81	11.99	-13.82
CO	5.31	9.49	+4.18
VOC*	47.83	44.49	-3.34

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Maleic Anhydride	<0.001	<0.001	0.0
1,1-Dimethylhydrazine	<0.001	<0.001	0.0
Cresol (p-cresol)	0.002	0.023	+0.021
Acetonitrile	0.06	0.021	-0.039
Methyl isobutyl ketone	0.13	0.178	+0.048
Aniline	2.33	2.306	-0.024
Methanol	0.36	0.572	+0.212
Toluene	21.00	21.152	+0.152
Total	23.882	24.258	+0.376

***Highly Reactive VOC (HRVOC) Speciation (TPY):**

Propylene	0.163
Isobutylene	0.399
Di-isobutylene	0.020
Tri-Isobutylene	0.005

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PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**GEISMAR PLANT-THIAZOLES® UNIT
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433**

Toluene	21.152
Total	21.739
*Other VOC (TPY):	19.65

Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Chlorine	1.12	1.115	-0.005
Carbon Disulfide	1.05	1.052	+0.002
Hydrogen Sulfide	0.68	0.550	-0.13
Sulfuric Acid	0.00	0.00	0.00
Zinc (PM ₁₀)	0.34	0.429	+0.089
Total	3.19	3.146	-0.044

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 Operating Permit Program, the Louisiana Air Quality Regulations, CAM, NESHAP, and NSPS. Prevention of Significant Deterioration (PSD) and/or Nonattainment New Source Review (NNSR) do not apply.

The THIAZOLES® Unit is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Aniline emissions are controlled by Maximum Achievable Control Technology (MACT). The other TAPs that emit from the THIAZOLES® Unit are either Class III pollutants, in the Supplemental List Table 51.3, or Class II pollutants with facility wide quantities that are less than the Minimum Emission Rate (MER) specified in the Louisiana Air Toxic Regulations. Impact of these pollutants on air quality are in compliance with the Louisiana Toxic Pollutant Ambient Air Standards.

V. Credible Evidence

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AGENCY INTEREST NO.: 1433**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006; and in the <local paper>, <local town>, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>, 2006. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

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PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® UNIT
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GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM ₁₀	SO ₂	NO _X	CO	VOC
Daily Sampling	742 total sample/yr					0.00002
81-PR-101 (MBTS Only)	2/day					
81-TV-308	Even days					
81-TV-309	Odd days					
81-TR-001	2/day					
81-TV-007	1/day					
81-PV-309 (Delac S Only)	2/day					
81-PV-308 (Delac NS Only)	2/day					
81-TV-003B (MBTS Only)	1/month					
SRU Tail Gas (gas sample of H ₂ S, not vented)	MWF					
Recharging or Replacement of Absorbent (carbon) High Boiling Tar Trailer Vent	1/yr					
Product Change Over Emissions	56/yr					0.006

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® UNIT
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AGENCY INTEREST NO.: 1433

IX. Insignificant Activities

ID No.:	Description	Citation
	Oil Expansion Tank (80-PV-016)	Insignificant Activity per LAC 33:III.501.B.5.A.12.
	Anti-Foam Tank (81-FV-401)	LAC 33.III.501.B.5.A.8.
	Temporary Cooling Towers	LAC 33.III.501.B.5.A.3
	Hosedown of Thiazoles Finishing Building	LAC 33.III.501.B.5.A.3
	Equipment Painting	LAC 33.III.501.B.5.B.2
	Lube Oil Storage Tanks	LAC 33.III.501.B.5.B.3
	Used Oil Storage Tanks	LAC 33.III.501.B.5.B.3
	Cleaning/Inspection/Changing inline strainers/filters	LAC 33.III.501.B.5.B.3
	Safety Inspections/Checks on Pressure/Vacuum Vents on Tanks	LAC 33.III.501.B.5.B.3
	Refrigeration Unit and Compressor Oil Filter Changes	LAC 33.III.501.B.5.B.3
	Cooling Tower Additives	LAC 33.III.501.B.5.B.8
	Cleaning of Transportation Equipment	LAC 33.III.501.B.5.B.13
	81-TV-401	LAC 33.III.501.B.5.C
	81-JV-007A (Delac NS Only)	LAC 33.III.501.B.5.C.
	81-TV-010 A/B	LAC 33.III.501.B.5.C.1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**GEISMAR PLANT-THIAZOLES® Unit
CHEMINTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433**

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		2*	5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	22	29*	51*	53	56	59
A11433	Facility Wide	1	1	1	1	1										1	1	1	1	1
GRP37	THIAZOLES® Unit															3	3	1		
EQT178	Toluene Storage Tank (01)																			
EQT179	Vent Condenser (03)																			
EQT180	Cyclohexylamine Storage Tank (04)																			
EQT181	Aniline Storage Tank (05)															1				
EQT182	Dust Collector (93)																			
EQT183	Flare (103)															1	1			
EQT184	Hydrocarbon Scrubber (164)															1	1			
EQT185	Dust Collector (168)																			
EQT186	Dust Collector (224)																			
EQT187	Recovered TBA Storage Tank (316)																			
EQT188	Recovered CHA Storage Tank (317)																			
EQT189	Recovery Feed Tank (318)																			
FUG7	Fugitive Emissions (319)															1	1			
EQT190	Dust Collector (320)															1				

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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AGENCY INTEREST NO.: 1433**

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ID No.	Description	2*	5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	22	29*	51*	53	56	59	LAC 33:III Chapter
EQT191	Cooling Tower (9002)																				
EQT192	Filter Vacuum Pump (9004)																				
EQT193	Hypo Makeup Tank/Scrubber (9005)																				
EQT196	Sodium Hypochlorite Weigh Tank (9009)																				
EQT197	Sodium Hypochlorite Weigh Tank (9010)																				
EQT198	NaMBT Storage Tank (9011)																				
EQT199	Crude NaMBT Storage Tank (9012)																				
EQT200	NaMBT Storage Tank (9014)																				
EQT201	NaMBT Storage Tank (9015)																				
EQT202	MOM Slurry Tank (9016)																				
EQT203	NaMBT Intermediate Storage Tank (9017)																				
EQT204	NaMBT Storage Tank (9018)																				
EQT205	NaMBT Storage Tank (9019)																				
EQT206	MOM Reactor (9020)																				
EQT207	NaMBT Storage Tank (9021)																				
EQT208	NaMBT Treatment Mixer (9023)																				
EQT210	MOM Effluent Filter Tank (9025)																				
EQT211	Triton Storage Tank (9026)																				

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GEISMAR PLANT-THIAZOLES® Unit
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AGENCY INTEREST NO.: 1433

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ID No.:	Description	2*	5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	22	29*	51*	53	56	59	LAC 33:III Chapter
EQT212	Delac Fines Tank (9027)																				
EQT213	Process Oil Storage Tank (9028)																				
EQT214	Warm Oil Tank (9029)																				
EQT215	50% NaMBT Storage Tank (9030)																				
EQT216	NaMBT Storage (9031)																				
EQT217	MOM Dust Collector Vent (91)																				
EQT218	Dryer Vent (92A)																				
EQT219	Dryer Vent (92B)																				
EQT239	Vent Scrubber (9032)														1						
EQT240	MOM Finishing Fugitive Dust Collector (9033)							1													
EQT446	Tar Trailer Loading (9006)														3						
EQT447	Railcar Loading (9022)														3						
EQT448	MOM Rework Station (9013)														1						
EQT461	80-PV-006																				
EQT463	80-PV-008																				
EQT464	80-PV-009																				
EQT465	80-PV-021																				
EQT466	CS2 Storage Tank (SV-003)																	1			

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GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433**

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																	
		2*	5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	22	29*	51*	53	56
EQT467	TBA Storage Tank (SV-006)									1									

* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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AGENCY INTEREST NO.: 1433

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		A	K	Ka	Kb	III	A	J	FF	A	F	G	FFFF	Q	52	64	68	68	70	82						
A11433	Facility Wide	1					1	1	1						1	1	1	1	1	1						
GRP37	THIAZOLES® Unit													1		1										
EQT178	Toluene Storage Tank (01)																									
EQT179	Vent Condenser (03)																									
EQT180	Cyclohexylamine Storage Tank (04)																									
EQT181	Aniline Storage Tank (05)																									
EQT182	Dust Collector (93)																									
EQT183	Flare (103)																									
EQT184	Hydrocarbon Scrubber (164)																									
EQT185	Dust Collector (168)																									
EQT186	Dust Collector (224)																									
EQT187	Recovered TBA Storage Tank (316)																									
EQT188	Recovered CHA Storage Tank (317)																									
EQT189	Recovery Feed Tank (318)																									
FUG7	Fugitive Emissions (319)																									

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AGENCY INTEREST NO.: 1433

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR							
		A	K	Ka	Kb	III	A	J	FF	A	F	G	FFFF	Q	52	64	68	70
EQT190	Dust Collector (120)																	
EQT191	Cooling Tower (9002)																	
EQT192	Filter Vacuum Pump (9004)																	
EQT193	Hypo Makeup Tank/Scrubber (9005)																	
EQT196	Sodium Hypochlorite Weigh Tank (9009)																	
EQT197	Sodium Hypochlorite Weigh Tank (9010)																	
EQT198	NaMBT Storage Tank (9011)																	
EQT199	Crude NaMBT Storage Tank (9012)																	
EQT200	NaMBT Storage Tank (9014)																	
EQT201	NaMBT Storage Tank (9015)																	
EQT202	MOM Slurry Tank (9016)																	
EQT203	NaMBT Intermediate Storage Tank (9017)																	
EQT204	NaMBT Storage Tank (9018)																	
EQT205	NaMBT Storage Tank (9019)																	
EQT206	MOM Reactor (9020)																	
EQT207	NaMBT Storage Tank (9021)																	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
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GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT178 Toluene Storage Tank (EIQ 01)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
EQT180 Cyclohexylamine Storage Tank (EIQ 04)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT181 Aniline Storage Tank (EIQ 05)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT183 Flare (EIQ 103/ 103ALT)	Emissions Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT: SO ₂ <250 TPY
EQT184 Hydrocarbon Scrubber (EIQ 164)	Waste Gas Disposal [LAC 33:III.2149]	EXEMPT-Recovery Device: Any batch process vent stream for which a recovery device is employed to control VOC emissions is assumed to meet the 90 percent reduction requirement until the recovery device is replaced for any reason. Such units shall be exempt from any monitoring, recordkeeping and reporting requirements under this Subchapter. [LAC 33:III.2149.A.2.c]

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AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT187 Recovered TBA Storage Tank (EIQ 316)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT188 Recovered CHA Storage Tank (EIQ 317)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
EQT189 Amine Recovery Feed Tank Vent (EIQ 318)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT190 Dust Collector (EIQ 320)	Waste Gas Disposal [LAC 33.III.2149]	DOES NOT APPLY: Gas stream contains <500 ppmv total VOC; does not meet the definition of a process vent. [LAC:33.III.2149.B.]
EQT191 Cooling Tower (EIQ 9002)	Subpart Q –National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers [40 CFR 63.400-63.406]	DOES NOT APPLY. No chromium water treatment.
EQT192 Filter Vacuum Pump (EIQ 9004)	Waste Gas Disposal [LAC 33.III.2115]	EXEMPT: VOC concentration <3000 ppmv [LAC:33.III.2115.H.1.d.]
EQT193 Hypochlorite Tank (EIQ 9005)	Storage of VOC [LAC 33.III.2103]	DOES NOT APPLY. Tank does not store VOCs
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank does not store Volatile Organic Liquids

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT196 Hypochlorite Tank (EIQ 9009)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Tank does not store VOCs
EQT197 Sodium Hypochlorite Weigh Tank (EIQ 9010)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank does not store VOCs
EQT198 NaMBT Storage Tank (EIQ 9011)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**GEISMAR PLANT-THIAZOLES® UNIT
CHEMTURA USA CORP.**

**GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433**

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT198 NaMBT Storage Tank (EIQ 9011) CONTINUED	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT199 Crude NaMBT Storage Tank (EIQ 9012)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT200 NaMBT Storage Tank (EIQ 9014)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
 CHEMTURA USA CORP.
 GEISMAR, ASCENSION PARISH, LOUISIANA
 AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT201 NaMBT Storage Tank (EIQ 9015)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
		DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT202 MOM Slurry Tank Storage Tank (EIQ 9016)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT203 NaMBT Intermediate Storage Tank (EIQ 9017)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
		DOES NOT APPLY. Storage capacity of tank < 19,813 gallons

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
CHEM TURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT203 NaMBT Intermediate Storage Tank (EIQ 9017) CONTINUED	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b])	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT204 NaMBT Storage Tank (EIQ 9018)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
EQT205 NaMBT Storage Tank (EIQ 9019)	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b])	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT205 NaMBT Storage Tank (EIQ 9019)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank volume < 19,813 gallons
CONTINUED		
EQT206 MOM Reactor s (EIQ 9020)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT207 NaMBT Storage Tank (EIQ 9021)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
EQT210 MOM Effluent Filter Tank (EIQ 9025)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
		DOES NOT APPLY. Vapor Pressure < 1.5 psia

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
 CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
 AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT210 MOM Effluent Filter Tank (EIQ 9025) CONTINUED	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT211 Triton Storage Tank (EIQ 9026)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
EQT212 Delac Fines Tank (EIQ 9027)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
 CHEMTURA USA CORP.
 GEISMAR, ASCENSION PARISH, LOUISIANA
 AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT213 Process Oil Storage Tank (EIQ 9028)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum liquids for Which Construction, Reconstruction, or Modification Commences after June 1, 1973 and Prior to May 19, 1978. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 40,000 gallons
	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum liquids for Which Construction, Reconstruction, or Modification Commences after May 18, 1978 and Prior to July 23, 1984. [40 CFR 60.110a]	DOES NOT APPLY. Storage capacity of tank < 40,000 gallons
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT214 Warm Oil Tank (EIQ 9029)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
CHEMTURA USA CORP.

GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT214 Warm Oil Tank (EIQ 9029) CONTINUED	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum liquids for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 40,000 gallons
	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum liquids for Which Construction, Reconstruction, or Modification Commences after May 18, 1978 and Prior to July 23, 1984. [40 CFR 60.110a]	DOES NOT APPLY. Storage capacity of tank < 40,000 gallons
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT215 25% NAMBT Storage Tank (EIQ 9030)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
 CHEMINTURA USA CORP.
 GEISMAR, ASCENSION PARISH, LOUISIANA
 AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT216 NaMBT Storage Tank (EIQ 9031)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b])	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT239 Vent Scrubber (EIQ 9032)	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT: Combined weight of VOCs less than or equal to 100 pounds in any continuous 24-hour period. [LAC:33.III.2115.H.1c.]
EQT446 Tar Trailer Loading (EIQ 9006)	VOC loading [LAC 33:III.2107]	DOES NOT APPLY. Throughput < 40,000 gallons/day and constructed prior to May 20, 1979.
EQT447 Railcar Loading (EIQ 9022)	VOC loading [LAC 33:III.2107]	DOES NOT APPLY. Throughput < 40,000 gallons/day and constructed prior to May 20, 1979.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT461 80-PV-006 (EIQ 03A)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT463 80-PV-008 (EIQ 03B)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT464 80-PV-009 (EIQ 03C)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

GEISMAR PLANT-THIAZOLES® Unit
 CHEM TURA USA CORP.
 GEISMAR, ASCENSION PARISH, LOUISIANA
 AGENCY INTEREST NO.: 1433

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT465 80-PV-021 (EQ 03D)	Storage of VOC [LAC 33:III.2103]	DOES NOT APPLY. Vapor Pressure < 1.5 psia
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage capacity of tank < 19,813 gallons
EQT466 CS2 Storage Tank SV-003	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.
EQT467 TBA Storage Tank SV-006	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank was constructed prior to July 23, 1984 and no reconstruction or modification after 1984.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

40 CFR PART 70 GENERAL CONDITIONS

attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

40 CFR PART 70 GENERAL CONDITIONS

5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:JJJ.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated July 28, 2003, March 9 and 18, 2005. On July 23 and 30, 2004, the company submitted supplemental information to the permit modification/renewal application and EIQ. Supplemental/additional information, dated July 23, July 30, August 20, September 29, October 29, December 2, 2004; June 16, August 2 and September 19, 2005; and January 3, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1433 Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
0180-00012	Chemtura USA Corp - Geismar Plant	Air Permitting	12-31-2005
0180-0012	Chemtura USA Corp - Geismar Plant	CDS Number	05-27-1993
13-1427480	Uniroyal Chemical Co Inc dba Crompton Manufacturing Co - Geismar Plant	Emission Inventory	02-25-2004
LAD008194060	Federal Tax ID	Federal Tax ID	02-01-2001
PC	Chemtura USA Corp	Hazardous Waste Notification	01-24-2006
LAD008194060	GPRRA Baselines	Hazardous Waste Permitting	10-01-1997
LA0000752	Crompton Manufacturing Co Inc	Inactive & Abandoned Sites	06-09-19B1
WP0583	WPC File Number	LPDES Permit #	05-22-2003
LA-2274-L-01	WPC State Permit Number	LW/DPS Permit #	06-25-2003
2274	Radioactive Material License	Radiation License Number	08-03-2000
G-005-2103	X-Ray Registration Number	Radiation X-ray Registration Number	02-01-2001
17836	Site ID #	Solid Waste Facility No.	08-24-2001
38798	Uniroyal Chemical Co Inc	TEMPO Merge	11-01-2000
47719	Uniroyal Chemical Co Inc	TEMPO Merge	11-01-2000
67569	Uniroyal Chemical Co Inc	TEMPO Merge	11-01-2000
0180-0012	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70734NRYLCPOBOX	TRI #	Toxic Release Inventory	07-09-2004
03-007860	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
		Main FAX:	2256730521
		Main Phone:	2256730783

Physical Location:36191 Hwy 30
Geismar, LA 70734Mailing Address:PO Box 397
Geismar, LA 707340397Related People:

Name	Mailing Address	Phone (Type)	Relationship
W. Keith Baggett	PO Box 397 Geismar, LA 707340397	2256730725 (WP)	Responsible Official for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2256730779 (WP)	Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2256730526 (WF)	Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	daryl.cambre@chem	Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2253242502 (CP)	Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2256730779 (WP)	Radiation Contact For
R. Daryl Cambre		daryl.cambre@chem	Radiation Contact For

General Information

AI ID: 1433 Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	22552422502 (CP)	Radiation Contact For
	R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2256730526 (WF)	Radiation Contact For
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Responsible Official for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Responsible Official for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Contact for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Accident Prevention Contact for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Contact for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Accident Prevention Billing Party for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Billing Party for
	Jay Patel	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Air Permit Contact For
	Jay Patel	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Water Billing Party for
	Jay Patel	PO Box 397 Geismar, LA 707340397	2256730526 (WF)	Water Billing Party for
	Jay Patel	PO Box 397 Geismar, LA 707340397	2256730526 (WF)	Air Permit Contact For
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Chemtura USA Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Air Billing Party for
	Chemtura USA Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Air Billing Party for
	Chemtura USA Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Operates
	Chemtura USA Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Owns
	Chemtura USA Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Owns
	Chemtura USA Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Operates
	Uniroyal Chemical Co Inc	PO Box 397 Geismar, LA 707340397	2256730526 (WF)	Owns
SIC Codes:	2819, Industrial inorganic chemicals, nec			
	2822, Synthetic rubber			
	2869, Industrial organic chemicals, nec			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMP0 database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
 Activity Number: PER20030016
 Permit Number: 2099-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT178	01 - Toluene Storage Tank	13500 gallons	.13 MM gallons/yr	toluene		8760 hr/yr (All Year)
EQT179	03 - Vent Condenser					8760 hr/yr (All Year)
EQT180	04 - Cyclohexylamine Storage Tank	13500 gallons	1.15 MM gallons/yr	384464 gallons/yr	Cyclohexylamine	8760 hr/yr (All Year)
EQT181	05 - Aniline Storage Tank Vent	25300 gallons	2.74 MM gallons/yr	2.74 MM gallons/yr	aniline	8760 hr/yr (All Year)
EQT182	93 - Dust Collector			779.28 lb/hr		8760 hr/yr (All Year)
EQT183	103 - Thiiazoles Flare			33.08 MM BTU/hr	1.21 MM BTU/hr	8760 hr/yr (All Year)
EQT184	164 - Hydrocarbon Scrubber			2780 lb/yr		8760 hr/yr (All Year)
EQT185	168 - Dust Collector			278 lb/hr	196.92 lb/hr	8760 hr/yr (All Year)
EQT186	224 - Dust Collector			1376 lb/hr	779.8 lb/hr	8760 hr/yr (All Year)
EQT187	316 - Recovered TBA Storage Tank	2000 gallons				8760 hr/yr (All Year)
EQT188	317 - Recovered CHA Storage Tank	2000 gallons				8760 hr/yr (All Year)
EQT189	318 - Recovery Feed Tank	1000 gallons				8760 hr/yr (All Year)
EQT190	320 - Dust Collector			3328 lb/hr	2356 lb/hr	8760 hr/yr (All Year)
EQT191	9002 - Cooling Tower			2800 gallons/min		8760 hr/yr (All Year)
EQT192	9004 - Filter Vacuum Pump				11.5 MM lbs/yr	8760 hr/yr (All Year)
EQT193	9005 - Hypochlorite Tanks				3.66 MM gallons/yr	8760 hr/yr (All Year)
EQT196	9009 - Sodium Hypochlorite Weigh Tank	3500 gallons			1.83 MM gallons/yr	Sodium Hypochlorite
EQT197	9010 - Sodium Hypochlorite Weigh Tank	3500 gallons			1.83 MM gallons/yr	Sodium hypochlorite
EQT198	9011 - NaMBT Storage Tank	38640 gallons	1.61 MM gallons/yr		25% NaMBT, Toluene, MBT, H2O	8760 hr/yr (All Year)
EQT199	9012 - Crude NaMBT Storage Tank	25000 gallons	1.61 MM gallons/yr		25% NaMBT, Toluene, MBT, H2O	8760 hr/yr (All Year)
EQT200	9014 - NaMBT Storage Tank	35000 gallons	5.46 MM gallons/yr		Toluene, MBT, 25%NaMBT, H2O	8760 hr/yr (All Year)
EQT201	9015 - NaMBT Storage Tank	17000 gallons	6.5 MM gallons/yr		Toluene, MBT, 25%NaMBT, H2O	8760 hr/yr (All Year)
EQT202	9016 - MOM Slurry Tank	18500 gallons	12.1 MM gallons/yr		Toluene, MBT, 100%, 5%NaMBT, H2O	8760 hr/yr (All Year)
EQT203	9017 - NaMBT Intermediate Storage Tank	25600 gallons	4.82 MM gallons/yr		Toluene, MBT, 25%NaMBT & Toluene, H2O	8760 hr/yr (All Year)
EQT204	9018 - NaMBT Storage Tank	3300 gallons	4.03 MM gallons/yr		Toluene, MBT, 25%NaMBT, H2O	8760 hr/yr (All Year)
EQT205	9019 - NaMBT Storage Tank	3300 gallons	4.03 MM gallons/yr		Toluene, MBT, 25%NaMBT, H2O	8760 hr/yr (All Year)
EQT206	9020 - MOM Reactors	4000 gallons	12.11 MM gallons/yr		MBT, TOLUENE, .5%NaMBT, H2O	8760 hr/yr (All Year)
EQT207	9021 - NaMBT Storage Tank	150000 gallons			Toluene, MBT, 25%NaMBT, H2O	8760 hr/yr (All Year)
EQT208	9023 - NaMBT Treatment Mixer	500 gallons			6.35 MM gallons/yr	25%NaMBT, MBT, TOLUENE, H2O
EQT210	9025 - MOM Effluent Filter Tank	2900 gallons	1.74 MM gallons/yr		MBT, Toluene, .5%NaMBT, H2O	8760 hr/yr (All Year)
EQT211	9026 - Triton Storage Tank	10000 gallons	62758 gallons/yr		Tergitol NP-10	8760 hr/yr (All Year)
EQT205	9027 - Delac Fines Tank	450 gallons	16.56 MM gallons/yr		H20 and tertiary butylamine	8760 hr/yr (All Year)
EQT213	9028 - Process Oil Storage Tank	13000 gallons	24021 gallons/yr		Flexion 785	8760 hr/yr (All Year)
EQT214	9029 - Warm Oil Tank	100 gallons	3.15 MM gallons/yr		Thermolin 66	8760 hr/yr (All Year)
EQT215	9030 - 25% NaMBT Storage	17000 gallons	408000 gallons/yr		NaMBT, MBT, Toluene	8760 hr/yr (All Year)

INVENTORIES

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
 Activity Number: PER20030016
 Permit Number: 2099-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ECT216	9031 - NaMBT Storage	27400 gallons		657400 gallons/yr	MBT, Toluene	8760 hr/yr (All Year)
ECT217	91 - MDM Dust Collector Vent		1600 lb/hr	1443 lb/hr		8760 hr/yr (All Year)
ECT218	92A - Dryer Vent		1600 lb/hr	1443 lb/hr		8760 hr/yr (All Year)
ECT219	92B - Dryer Vent		1600 lb/hr	1443 lb/hr		8760 hr/yr (All Year)
ECT239	9032-Vent Scrubber/condenser			50.3 ft^3/hr		8760 hr/yr (All Year)
ECT240	9033-MDM Finishing Fugitive Dust Collector			11.5 MM lbs/yr		8760 hr/yr (All Year)
EQT403	Emissions from 156 - BHT Flare			24 MM BTU/hr		8760 hr/yr (All Year)
EQT446	9006 - Tar Trailer Loading			37.66 MM lbs/yr		8760 hr/yr (All Year)
EQT447	9022 - Railcar Loading	20000 gallons		1 MM gallons/yr		8760 hr/yr (All Year)
EQT448	9013 - MDM Rework Station			1.15 MM lbs/yr		8760 hr/yr (All Year)
EQT461	03A - 80-PV-006	350 gallons		Toluene		8760 hr/yr (All Year)
EQT463	03B - 80-PV-008	734 gallons		Toluene		8760 hr/yr (All Year)
EQT464	03C - 80-PV-009	1150 gallons		Toluene		8760 hr/yr (All Year)
EQT465	03D - 80-PV-021	2000 gallons		Toluene		8760 hr/yr (All Year)
EQT466	SV-003 CS2 Storage	14000 gallons	1.26 MM gallons/yr	14000 gallons/yr	Carbon disulfide	8760 hr/yr (All Year)
EQT467	SV-006 TBA Storage	25000 gallons	1.58 MM gallons/yr	25000 gallons/yr	tertiary butylamine	8760 hr/yr (All Year)
EQT468	Aniline Charge Pots			2.82 MM lbs/yr		8760 hr/yr (All Year)
EQT469	Unloading Burn Pot to PV-042					8760 hr/yr (All Year)
EQT470	Unloading tar truck to RV-010					8760 hr/yr (All Year)
FUG007	319 - Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP037	Thiazoles Unit Permitted Emission Total	EQT178 01 - Toluene Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT179 03 - Vent Condenser
GRP037	Thiazoles Unit Permitted Emission Total	EQT180 04 - Cyclohexylamine Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT181 05 - Aniline Storage Tank Vent
GRP037	Thiazoles Unit Permitted Emission Total	EQT182 93 - Dust Collector
GRP037	Thiazoles Unit Permitted Emission Total	EQT183 103 - Thiazoles Flare
GRP037	Thiazoles Unit Permitted Emission Total	EQT184 164 - Hydrocarbon Scrubber
GRP037	Thiazoles Unit Permitted Emission Total	EQT185 168 - Dust Collector
GRP037	Thiazoles Unit Permitted Emission Total	EQT186 224 - Dust Collector
GRP037	Thiazoles Unit Permitted Emission Total	EQT187 316 - Recovered TBA Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT188 317 - Recovered CHA Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT189 318 - Recovery Feed Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT190 320 - Dust Collector

INVENTORIES

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP037	Thiazoles Unit Permitted Emission Total	EQT191 9002 - Cooling Tower
GRP037	Thiazoles Unit Permitted Emission Total	EQT192 9004 - Filter Vacuum Pump
GRP037	Thiazoles Unit Permitted Emission Total	EQT193 9005 - Hypochlorite Tanks
GRP037	Thiazoles Unit Permitted Emission Total	EQT196 9009 - Sodium Hypochlorite Weigh Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT197 9010 - Sodium Hypochlorite Weigh Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT198 9011 - NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT199 9012 - Crude NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT200 9014 - NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT201 9015 - NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT202 9016 - MOM Slurry Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT203 9017 - NaMBT Intermediate Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT204 9018 - NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT205 9019 - NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT206 9020 - MOM Reactors
GRP037	Thiazoles Unit Permitted Emission Total	EQT207 9021 - NaMBT Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT208 9023 - NaMBT Treatment Mixer
GRP037	Thiazoles Unit Permitted Emission Total	EQT210 9025 - MOM Effluent Filter Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT211 9026 - Triton Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT212 9027 - Delac Fines Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT213 9028 - Process Oil Storage Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT214 9029 - Warm Oil Tank
GRP037	Thiazoles Unit Permitted Emission Total	EQT215 9030 - 25% NaMBT Storage
GRP037	Thiazoles Unit Permitted Emission Total	EQT216 9031 - NaMBT Storage
GRP037	Thiazoles Unit Permitted Emission Total	EQT217 91 - MOM Dust Collector Vent
GRP037	Thiazoles Unit Permitted Emission Total	EQT218 92A - Dyer Vent
GRP037	Thiazoles Unit Permitted Emission Total	EQT219 92B - Dryer Vent
GRP037	Thiazoles Unit Permitted Emission Total	EQT239 9032-Vent Scrubber/condenser
GRP037	Thiazoles Unit Permitted Emission Total	EQT240 9033-MOM Finishing Fugitive Dust Collector
GRP037	Thiazoles Unit Permitted Emission Total	EQT446 9006 - Tar Trailer Loading
GRP037	Thiazoles Unit Permitted Emission Total	EQT447 9022 - Railcar Loading
GRP037	Thiazoles Unit Permitted Emission Total	EQT448 9013 - MOM Rework Station
GRP037	Thiazoles Unit Permitted Emission Total	EQT461 03A - 80-PV-006
GRP037	Thiazoles Unit Permitted Emission Total	EQT483 03B - 80-PV-008
GRP037	Thiazoles Unit Permitted Emission Total	EQT464 03C - 80-PV-009
GRP037	Thiazoles Unit Permitted Emission Total	EQT465 03D - 80-PV-021
GRP038	Flare during normal operations-F-Tare DNO	FUG7 319 - Fugitive Emissions
GRP038	Flare during normal operations-F-Tare DNO	EQT183 103 - Thiazoles Flare

INVENTORIES

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP038	Flare during normal operations-Flare DNO	EQT466 SV-003 CS2 Storage
GRP038	Flare during normal operations-Flare DNO	EQT467 SV-006 TBA Storage
GRP038	Flare during normal operations-Flare DNO	EQT468 Aniline Charge Pots
GRP038	Flare during normal operations-Flare DNO	EQT469 Unloading Burn Pot to PV-042
GRP038	Flare during normal operations-Flare DNO	EQT470 Unloading tar truck to RV-010
GRP039	Emissions from EQT403/EIQ156-BHT Flare	EQT183 103 - Thiazoles Flare
GRP039	Emissions from EQT403/EIQ156-BHT Flare	EQT403 Emissions from 156 - BHT Flare
GRP075	FACILITY WIDE	AI1433

Relationships:

Relationship	Subject Item	Subject Item
Controls emissions from	EQT179 03 - Vent Condenser	EQT461 03A - 80-PV-006
Controls emissions from	EQT179 03 - Vent Condenser	EQT463 03B - 80-PV-008
Controls emissions from	EQT179 03 - Vent Condenser	EQT464 03C - 80-PV-009
Controls emissions from	EQT179 03 - Vent Condenser	EQT465 03D - 80-PV-021
Controls emissions from	EQT183 103 - Thiazoles Flare	EQT468 Aniline Charge Pots
Controls emissions from	EQT183 103 - Thiazoles Flare	EQT466 SV-003 CS2 Storage
Controls emissions from	EQT183 103 - Thiazoles Flare	EQT467 SV-006 TBA Storage
Controls emissions from	EQT183 103 - Thiazoles Flare	EQT469 Unloading Burn Pot to PV-042
Controls emissions from	EQT183 103 - Thiazoles Flare	EQT470 Unloading tar truck to RV-010
Controls emissions from, as backup	EQT183 103 - Thiazoles Flare	EQT403 Emissions from 156 - BHT Flare
Controls emissions from	EQT239 9032-Vent Scrubber/condenser	EQT178 01 - Toluene Storage Tank
Controls emissions from, normally	EQT239 9032-Vent Scrubber/condenser	EQT206 9020 - M/M Reactors
Controls emissions from	EQT239 9032-Vent Scrubber/condenser	EQT179 03 - Vent Condenser
Controls emissions from	EQT239 9032-Vent Scrubber/condenser	EQT202 9016 - M/M Slurry Tank

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT178 01 - Toluene Storage Tank	.13	.17	.17	.17	18	70
EQT179 03 - Vent Condenser	.61	.8	.17	.17	30	55
EQT180 04 - Cyclohexylamine Storage Tank	.09	.11	.17	.17	18	70
EQT181 05 - Aniline Storage Tank Vent	.4	.53	.17	.17	18	80
EQT182 93 - Dust Collector	110.05	3500	.82	.82	55	90
EQT183 103 - Thiazoles Flare	1.6	51.98	.83	.83	100	1500
EQT184 164 - Hydrocarbon Scrubber	61.34	6500	1.5	1.5	55	95
EQT185 168 - Dust Collector	49.8	586	.5	.5	55	150
EQT186 224 - Dust Collector	12.44	586	1	1	55	100
EQT187 316 - Recovered TBA Storage Tank	.01	0	.25	.25	58	70

INVENTORIES

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
 Activity Number: PER20030016
 Permit Number: 2099-V2
 Air - Title V Regular Permit Renewal

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT188 317 - Recovered CHA Storage Tank	0	0	.25		58	95
EQT189 318 - Recovery Feed Tank	.07	4.3	.25		1	130
EQT190 320 - Dust Collector	49.54	21000	3		56	130
EQT191 9002 - Cooling Tower			10		14	90
EQT192 9004 - Filter Vacuum Pump	200	750	.15		55	130
EQT193 9005 - Hypochlorite Tanks			.17		37	130
EQT196 9009 - Sodium Hypochlorite Weigh Tank			.21		1	60
EQT197 9010 - Sodium Hypochlorite Weigh Tank			.21		1	60
EQT198 9011 - NAMBT Storage Tank	0	.35	4		1	150
EQT199 9012 - Crude NAMBT Storage Tank			.67		25	70
EQT200 9014 - NAMBT Storage Tank			.67		30	70
EQT201 9015 - NAMBT Storage Tank			.33		1	70
EQT202 9016 - MOM Slurry Tank			.67		23	120
EQT203 9017 - NAMBT Intermediate Storage Tank		20			17	70
EQT204 9018 - NAMBT Storage Tank	.15	.79	.33		1	70
EQT205 9019 - NAMBT Storage Tank					20	70
EQT206 9020 - MOM Reactors			.33		50	130
EQT207 9021 - NAMBT Storage Tank			.25		32	75
EQT208 9023 - NAMBT Treatment Mixer					9	75
EQT210 9025 - MOM Effluent Filter Tank			1.67		10	130
EQT211 9026 - Triton Storage Tank			.25		16	125
EQT212 9027 - Delac Fines Tank			.17		1	100
EQT213 9028 - Process Oil Storage Tank			.25		15	140
EQT214 9029 - Warm Oil Tank			.25		26	120
EQT215 9030 - 25% NAMBT Storage			.25		26	75
EQT216 9031 - NAMBT Storage			.25		26	75
EQT217 91 - MOM Dust Collector/Vent	94.73	3000	.82		55	182
EQT218 92A - Dryer Vent	10.7	4000	2.82		55	165
EQT219 92B - Dryer Vent	24.93	16600	3.76		55	180
EQT239 9032 - Vent Scrubber/condenser			.25		26	75
EQT240 9033 - MOM Finishing Fugitive Dust Collector	69.3	8400	1.67		36.5	70
EQT403 Emissions from 156 - BHT Flare	1.6	51.98	.83		100	1500
EQT446 9006 - Tar Trailer Loading	1	.13				70
EQT447 9022 - Railcar Loading						75
EQT448 9013 - MOM Rework Station					.5	70

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
AI1433		MM Lb/Yr	0635 - Olefins and Aromatics N.E.C. (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC	
	Avg lb/hr	Max lb/hr	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Tons/Year
EQT 180 ₀₄										
EQT 181 ₀₅										
EQT 182 ₉₃	0.330	0.396	1.025							
EQT 183 ₁₀₃	0.0041	0.018	0.016	3.207	156.191	14.021	0.586	26.860	2.568	0.088
EQT 184 ₁₆₄										
EQT 185 ₁₆₈	0.059	0.071	0.259							
EQT 186 ₂₂₄	0.234	0.660	1.025							
EQT 187 ₃₁₆										
EQT 188 ₃₁₇										
EQT 189 ₃₁₈										
EQT 190 ₃₂₀	0.707	0.849	3.097							
EQT 191 ₉₀₀₂	0.50	0.50	2.191	0.05	0.05	0.219				
EQT 192 ₉₀₀₄										
EQT 198 ₉₀₁₁										
EQT 199 ₉₀₁₂										
EQT 200 ₉₀₁₄	0.035	3.6	0.152							
EQT 201 ₉₀₁₅										
EQT 202 ₉₀₁₆	0.039	3.6	0.173							

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 203															
9017															
EQT 204															
9018															
EQT 205															
9019															
EQT 206															
9020															
EQT 207															
9021															
EQT 208															
9023															
EQT 210															
9025															
EQT 211															
9026															
EQT 212															
9027															
EQT 213															
9028															
EQT 214															
9029															
EQT 215															
9030															
EQT 216															
9031															
EQT 217															
91															
EQT 218	1.03	1.236	4.514												
92A	1.060	1.272	4.646												
EQT 219															
92B															
EQT 239															
9032	0.001	0.001	0.0051												
EQT 240															
9033															

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air Title V Baseline Permit Renewal
- Permit Number: 20393-VZ

All phases

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

DNA: 20 €0 taxes

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SO_2 : 14.24 tons/yr

NO_x: 11.99 tons/yr

CO₂: 9,49 tons/yr

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

1,1-Dimethylhydrazine		Acetonitrile		Aniline		Butene (mixed isomers)		Carbon disulfide	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 181									
05									
EQT 183									
103									
EQT 184									
164									
EQT 185									
168									
EQT 191									
9002									
EQT 192									
9004									
EQT 193									
9005									
EQT 198									
9011									
EQT 199									
9012									
EQT 200									
9014									
EQT 201									
9015									
EQT 202									
9016									
EQT 203									
9017									
EQT 204									
9018									
EQT 205									
9019									
EQT 206									
9020									
EQT 207									
9021									
EQT 208									
9023									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura USA Corn - Geismar Plant

Activity Number: BEB20030016

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Air - Title V Regular Permit Renewal
Permit Number: 2099-V2

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	Methyl Isobutyl Ketone			Propylene			Toluene			Zinc (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 181 05	-	-	-	-	-	-	-	-	-	-	-	-
EQT 183 103	-	-	0.178	-	-	-	0.170	0.240	0.745	-	-	-
EQT 184 164	-	-	-	-	-	-	-	-	-	0.002	0.011	0.009
EQT 185 168	-	-	-	-	-	-	0.01	0.01	0.044	-	-	-
EQT 191 9002	-	-	-	-	-	-	0.288	0.346	1.263	-	-	-
EQT 192 9004	-	-	-	-	-	-	-	-	-	-	-	-
EQT 193 9005	-	-	-	-	-	-	0.088	0.624	0.387	-	-	-
EQT 198 9011	-	-	-	-	-	-	0.103	1.636	0.451	-	-	-
EQT 199 9012	-	-	-	-	-	-	0.114	0.941	0.499	-	-	-
EQT 200 9014	-	-	-	-	-	-	0.088	1.039	0.387	-	-	-
EQT 201 9015	-	-	-	-	-	-	0.239	3.590	1.045	0.003	0.581	0.012
EQT 202 9016	-	-	-	-	-	-	0.045	0.468	0.197	-	-	-
EQT 203 9017	-	-	-	-	-	-	0.033	0.941	0.146	-	-	-
EQT 204 9018	-	-	-	-	-	-	0.033	0.941	0.146	-	-	-
EQT 205 9019	-	-	-	-	-	-	-	-	-	-	-	-
EQT 206 9020	-	-	-	-	-	-	0.151	3.976	0.663	-	-	-
EQT 207 9021	-	-	-	-	-	-	0.062	0.684	0.272	-	-	-
EQT 208 9023	-	-	-	-	-	-	0.004	0.27	0.019	-	-	-

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	1,1-Dimethylhydrazine			Acetonitrile			Aniline			Butene (mixed isomers)			Carbon disulfide		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/year
EQT 210 9025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 215 9030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 216 9031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 217 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 218 92A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 219 92B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 239 9032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 240 9033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 446 9006	-	-	-	-	-	-	0.015	0.02	0.066	-	-	-	-	-	-
EQT 447 9022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 448 9013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUG 007 319	-	-	-	-	-	-	-	-	-	0.508	2.226	-	-	-	-
GRP 038 Flare DNO	-	-	-	-	-	-	<	0.001	<	0.001	<	0.001	-	-	-
GRP 039 BHT Flare	< 0.001	0.009	< 0.001	0.005	0.037	0.021	<	0.001	<	0.001	0.097	2.148	0.424	0.004	0.072

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2039-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	Chlorine			Cresol			Hydrogen sulfide			Maleic anhydride			Methanol		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 210															
9025															
EQT 215															
9030															
EQT 216															
9031															
EQT 217															
91															
EQT 218															
92A															
EQT 219															
92B															
EQT 239															
9032															
EQT 240															
9033															
EQT 446															
9035															
EQT 447															
9036															
EQT 448															
9037															
FUG 007	0.139	0.139	0.609				0.056	0.056	0.245				0.018	0.018	0.080
319															
GRP 038							0.001	0.012	0.001				< 0.001	0.006	0.001
Flare DNO															
GRP 039							0.005	1.137	0.023	< 0.001	0.012	0.001	< 0.001	< 0.001	0.112
BHT Flare															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	Methyl Isobutyl ketone			Propylene			Toluene			Zinc (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 210 9025							0.014	0.062				
EQT 215 9030							0.023	1.039	0.101			
EQT 216 9031							0.04	1.039	0.178			
EQT 217 91										0.055	0.084	0.067
EQT 218 92A										0.037	0.199	0.160
EQT 219 92B										0.038	0.205	0.165
EQT 239 9032							0.290	2.312	1.270			
EQT 240 9033										0.001	0.001	0.001
EQT 446 9006							0.334	11.060	1.461			
EQT 447 9022							0.012	0.696	0.122			
EQT 448 9013										0.003	0.716	0.015
FUG 007 319							0.037	0.037	0.163	2.172	9.514	
GRP 038 Flare DNO												
GRP 039 BHT Flare	0.041	0.178					0.497	0.938	2.180			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1-Dimethylhydrazine: <0.001 tons/yr

Acetonitrile: 0.021 tons/yr

Aniline: 2.306 tons/yr

Butene (mixed isomers): 0.424 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

All phases

Carbon disulfide: 1.052 tons/yr
Chlorine: 1.115 tons/yr
Cresol: 0.023 tons/yr
Hydrogen sulfide: 0.550 tons/yr
Maleic anhydride: <0.001 tons/yr
Methanol: 0.572 tons/yr
Methyl isobutyl ketone: 0.178 tons/yr
Propylene: 0.163 tons/yr
Toluene: 21.152 tons/yr
Zinc (and compounds): 0.429 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

EQT181 05 - Aniline Storage Tank Vent

- 1 Toxic air pollutants (TAP): Shall comply with all applicable provisions of LAC 33:III, Chapter 51. This existing storage vessel has a capacity of 25,300 gallons and stores aniline with a vapor pressure < 6.9 kPa (1 psia). No additional control is determined as MACT for Aniline, Class II TAP (State-Only Requirement). [LAC 33:III.5109.A]

EQT182 93 - Dust Collector

- 2 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 3 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment, until such time as the equipment is repaired. Conduct a follow-up visible emissions inspection in accordance with 40 CFR 60, Appendix A, Method 9 after startup of the repaired equipment. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

- 4 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID and date visual check was performed. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

- 5 Filter elements (bags): Equipment/operational data monitored by visual inspection/determination upon each occurrence a six-minute opacity reading is conducted in accordance with 40 CFR 60, Appendix A, Method 9. Inspect the filter elements (bags) and change as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

- 6 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, a record of any 40 CFR 60, Appendix A, Method 9 testing conducted and the results of the test, a record of any maintenance activities. [LAC 33:III.501.C.6]

EQT183 103 - Thiazoles Flare

- 7 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]

Which Months: All Year Statistical Basis: Six-minute average

- 8 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]

- 9 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 10 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

- 11 Shall comply with all applicable provisions of LAC:III.2115-Waste Gas Disposal. [LAC 33:III.2115]

SPECIFIC REQUIREMENTS

AID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-v2

Air - Title V Regular Permit Renewal

EQT183 103 - Thiazzoles Flare

- 12 Shall maintain records to verify compliance with [LAC 33:III.2115]. These records shall be maintained on facility premises for at least two years and shall be made available to representatives of the DEQ or U.S. EPA upon request. [LAC 33:III.2115]
- 13 Alternate Operating Scenarios: Normal operating emission limitations for the flare are in Group 38. However, the emission point limitations reflect the highest individual pollutant that will occur and corresponds with Group 39. [LAC 33:III.501.C.6]
- 14 Combustion gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 15 Presence of a flame monitored by flame monitor continuously. [LAC 33:III.501.C.6, 40 CFR 64]
Which Months: All Year Statistical Basis: None specified
- 16 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined as no additional control requirements (State-Only Requirement). [LAC 33:III.5109.A]

EQT184 164 - Hydrocarbon Scrubber

- 17 Any batch process vent stream for which an existing combustion device or recovery device is employed to control VOC emissions is assumed to meet the 90 percent reduction requirement until the combustion device or recovery device is replaced for any reason. Such units shall be exempt from any monitoring, recordkeeping and reporting requirements. [LAC 33:III.249.A.2.c]
- 18 Flow rate > 30 gallons/min (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 19 pH < 6.5 s.u. (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 20 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 21 Flow rate monitored by flow rate monitoring device once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 22 pH monitored by pH instrument once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 23 Flow rate recordkeeping by electronic or hard copy once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]
- 24 pH recordkeeping by electronic or hard copy once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]
- 25 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]

EQT185 168 - Dust Collector

- 26 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute, average
- 27 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment, until such time as the equipment is repaired. Conduct a follow-up visible emissions inspection in accordance with 40 CFR 60, Appendix A, Method 9 after startup of the repaired equipment. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

EQT185 168 - Dust Collector

- 28 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, a record of any 40 CFR 60, Appendix A, Method 9 testing conducted and the results of the test, a record of any maintenance activities. [LAC 33:III.501.C.6]
- 29 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, and maintenance activities. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

EQT186 224 - Dust Collector

- 30 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 31 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment, until such time as the equipment is repaired. Conduct a follow-up visible emissions inspection in accordance with 40 CFR 60, Appendix A, Method 9 after startup of the repaired equipment. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6]
- 32 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, a record of any 40 CFR 60, Appendix A, Method 9 testing conducted and the results of the test, a record of any maintenance activities. [LAC 33:III.501.C.6]
- 33 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, and maintenance activities. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

EQT187 316 - Recovered TBA Storage Tank

- 34 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
- 35 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]
- 36 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT190 320 - Dust Collector

- 37 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 38 Shall maintain records to verify exemption from LAC: 33:III.2115. [LAC 33:III.2115]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
Activity Number: PER20030016
Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

EQT190 320 - Dust Collector

39 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment, until such time as the equipment is repaired. Conduct a follow-up visible emissions inspection in accordance with 40 CFR 60, Appendix A, Method 9 after startup of the repaired equipment. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None Specified

40 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID and date visual check was performed. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

41 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, a record of any 40 CFR 60, Appendix A, Method 9 testing conducted and the results of the test, a record of any maintenance activities. [LAC 33:III.501.C.6]

EQT191 9002 - Cooling Tower

42 Toxic air pollutants (TAP): Emits Class I or Class II < MER (facility wide) or Class III TAP. No further control is required for MACT. (State-Only Requirement). [LAC 33:III.5109.A]

EQT192 9004 - Filter Vacuum Pump

43 Shall maintain records to verify exemption from LAC: 33:III.2115. [LAC 33:III.2115]

EQT193 9005 - Hypochlorite Tanks

44 The scrubber is not in service on this unit and no efficiency is claimed for it. [LAC 33:III.501.C.6]

45 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT198 9011 - NaMBT Storage Tank

46 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]

EQT199 9012 - Crude NaMBT Storage Tank

47 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

48 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

49 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

50 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]

EQT200 9014 - NaMBT Storage Tank

51 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

<u>EQT201</u>	9015 - NaMBT Storage Tank	52 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT202</u>	9016 - MOM Slurry Tank	53 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State Only Requirement). [LAC 33:III.5109.A]
<u>EQT203</u>	9017 - NaMBT Intermediate Storage Tank	54 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT204</u>	9018 - NaMBT Storage Tank	55 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT205</u>	9019 - NaMBT Storage Tank	56 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT206</u>	9020 - MOM Reactors	57 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT207</u>	9021 - NaMBT Storage Tank	58 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT208</u>	9023 - NaMBT Treatment Mixer	59 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT210</u>	9025 - MOM Effluent Filter Tank	60 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT215</u>	9030 - 25% NaMBT Storage	61 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT216</u>	9031 - NaMBT Storage	62 Toxic air pollutants (TAP); Emits Class III TAP only. MACT is not required (State-Only Requirement). [LAC 33:III.5109.A]
<u>EQT217</u>	91 - MOM Dust Collector Vent	

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

EQT217 91 - MOM Dust Collector Vent

63 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

64 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment, until such time as the equipment is repaired. Conduct a follow-up visible emissions inspection in accordance with 40 CFR 60, Appendix A, Method 9 after startup of the repaired equipment. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

65 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, and maintenance activities. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

66 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include the emission point ID, date visual check was performed, a record of any 40 CFR 60, Appendix A, Method 9 testing conducted and the results of the test, a record of any maintenance activities. [LAC 33:III.501.C.6]

67 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT218 92A - Dryer Vent

68 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

69 Opacity (surrogate for Particulate matter (10 microns or less)) monitored by visual inspection/determination weekly. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight(8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment until such time as the equipment is repaired. After start-up of the repaired equipment, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6, 40 CFR 60, Appendix A]

Which Months: All Year Statistical Basis: None specified

70 Opacity (surrogate for Particulate matter (10 microns or less)) recordkeeping by electronic or hard copy as needed. Record visual checks and maintenance inspections of the dryer. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

71 Dryer Inspection: Equipment/operational data monitored by visual inspection/determination as needed. Inspect the dryers and perform maintenance activities as necessary whenever visual inspections indicate maintenance is necessary. [LAC 33:III.501.C.6]

72 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep all dryer inspection records on site for a period of at least five years and make them available for inspection upon request to the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

73 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT219 92B - Dryer Vent

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

EQT219 92B - Dryer Vent

74 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

75 Dryer Inspection: Equipment/operational data monitored by visual inspection/determination as needed. Inspect the dryers and perform maintenance activities as necessary whenever visual inspections indicate maintenance is necessary. [LAC 33:III.501.C.6]

76 Opacity (surrogate for Particulate matter (10 microns or less)) monitored by visual inspection/determination weekly. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment until such time as the equipment is repaired. After start-up of the repaired equipment, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6, 40 CFR 60, Appendix A]

77 Which Months: All Year Statistical Basis: None specified

77 Opacity (surrogate for Particulate matter (10 microns or less)) recordkeeping by electronic or hard copy as needed. Record visual checks and maintenance inspections of the dryer. Maintain these records for a period of at least five years. [LAC 33:III.501.C.6]

78 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep all dryer inspection records on site for a period of at least five years and make them available for inspection upon request to the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

79 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT239 9032-Vent Scrubber/condenser

80 Shall maintain records to verify exemption from LAC: 33:III.2115. [LAC 33:III.2115]

81 Flow rate ≥ 3 gallons/min (State-Only Requirement). [LAC 33:III.501.C.6]

82 Which Months: All Year Statistical Basis: None specified

82 Flow rate monitored by flow rate monitoring device once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]

83 Which Months: All Year Statistical Basis: None specified

83 Flow rate recordkeeping by electronic or hard copy once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]

84 Toxic air pollutants (TAP): Emits Class I or Class II < MER (facility wide) or Class III TAP. No further control is required for MACT. (State-Only Requirement). [LAC 33:III.5109.A]

EQT240 9033-MOM Finishing Fugitive Dust Collector

85 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

86 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]

87 Which Months: All Year Statistical Basis: None specified

87 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

EQT240 9033-MOM Finishing Fugitive Dust Collector

88 Opacity (surrogate for Particulate matter (10 microns or less)) monitored by visual inspection/determination daily. If visible emissions are detected, then within three (3) working days, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. If within eight (8) hours of conducting the six-minute opacity reading, the problem is not corrected, discontinue operation of the equipment until such time as the equipment is repaired. After start-up of the repaired equipment, conduct a six-minute opacity reading in accordance with 40 CFR 60, Appendix A, Method 9. This is done to ensure compliance with the opacity and particulate emission limitations of this permit. [LAC 33:III.501.C.6, 40 CFR 60 Appendix A]

89 Which Months: All Year Statistical Basis: None specified

89 Toxic air pollutants (TAP): Emits Class III TAP. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT446 9006 - Tar Trailer Loading

90 Toxic air pollutants (TAP): Shall comply with all applicable provisions of LAC 33:III.Chapter 51. No additional control is determined as MACT for Aniline, Class II TAP. MACT is not required for volume (Class III TAP). [LAC 33:III.5109.A]

EQT447 9022 - Railcar Loading

91 Toxic air pollutants (TAP): Emits Class III TAP. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT448 9013 - MOM Rework Station

92 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. (State-Only Requirement). [LAC 33:III.5109.A]

EQT466 SV-003 CS2 Storage

93 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
94 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

95 Shall maintain records to verify compliance with LAC 33:III.2103. The records shall be maintained for at least two years. [LAC 33:III.2103.I]

96 Carbon disulfide: Equip with a vapor loss control system having > 95% control efficiency. Source is routed to the flare (EQT183). [LAC 33:III.2103]

EQT467 SV-006 TBA Storage

97 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
98 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

99 Shall maintain records to verify compliance with LAC 33:III.2103. The records shall be maintained for at least two years. [LAC 33:III.2103.I]

100 VOC, Total: Equip with a vapor loss control system having > 95% control efficiency. [LAC 33:III.2103]

101 Toluene: Equip with a vapor loss control system having > 95% control efficiency. Source is routed to the flare (EQT183). [LAC 33:III.2103]

FUG007 319 - Fugitive Emissions

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
Activity Number: PER20030016
Permit Number: 2099-V2
Air - Title V Regular Permit Renewal

FUG007 319 - Fugitive Emissions

- 102 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seal or other equivalent equipment or means as may be approved by the administrative authority. [LAC 33:III.2111]
- 103 Comply with LAC 33:III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with the Louisiana MACT determination for Non-HON Equipment Leaks dated March 30, 1995. [LAC 33:III.2122]
- 104 Sulfur <= 0.225 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 105 Sulfur <= 0.225 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 106 Sulfur <= 0.985 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 107 Toxic air pollutants (TAP): Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with LAC 33:III.5109 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with the Louisiana MACT determination for Non-HON Equipment Leaks dated March 30, 1995, until facility complies with 40 CFR 63 Subpart FFFF (MON), as promulgated. [LAC 33:III.5109.A]

GRP037 Thiazoles Unit Permitted Emission Total

- 108 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 109 The owner or operator of any source which is not a major source may apply for an exemption from the permitting requirements of this Chapter provided each of the following criteria are met: i. the source emits and has the potential to emit no more than 5 tons per year of any regulated air pollutant; ii. the source emits and has the potential to emit less than the minimum emission rate listed in LAC 33:III.5112, Table 51.1, for each Louisiana toxic air pollutant; iii. no enforceable permit conditions are necessary to ensure compliance with any applicable requirement; and iv. no public notice is required for any permitting or other activity at the source. Any source to which an exemption is granted under this Paragraph shall be operated in accordance with any terms stated in the exemption and upon which the decision to grant the exemption was based. Failure to operate the source in accordance with the terms of the exemption may terminate such exemption and shall constitute a violation of the general duty to operate under a permit established pursuant to Subsection C of this Section. [LAC 33:III.501.B.4]
- 110 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III. Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Permits Division as required in accordance with the procedures in LAC 33:III. Chapter 5. [LAC 33:III.501.C.1]
- 111 Aniline <= 2.306 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 112 Carbon disulfide <= 1.052 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 113 Methanol <= 0.572 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 114 Chlorine <= 1.115 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 115 Methyl isobutyl ketone <= 0.178 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
Activity Number: PER20030016
Permit Number: 2099-V2
Air - Title V Regular Permit Renewal

GRP037 Thiazoles Unit Permitted Emission Total

- 116 Hydrogen sulfide <= 0.550 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 117 Cresol <= 0.023 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 118 Toluene <= 21.152 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 119 Maleic anhydride < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 120 Sulfur <= 0.985 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 121 Acetonitrile <= 0.021 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 122 Zinc (and compounds) <= 0.429 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 123 1,1-Dimethylhydrazine < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 124 Carbon monoxide <= 9.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 125 Nitrogen oxides <= 11.99 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 126 Particulate matter (10 microns or less) <= 20.60 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 127 Sulfur dioxide <= 14.24 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 128 VOC, Total <= 44.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 129 Propylene <= 0.163 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 130 Butene (mixed isomers) <= 0.424 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 131 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 132 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiation. [LAC 33:III.507.E.4]
- 133 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 134 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

GRP037 Thiazoles Unit Permitted Emission Total

- 135 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 136 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.5111]
- 137 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.]

- 138 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]

- 139 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]

- 140 Submit notification: Due within 90 days after any change in ownership of the source. Provide the notification in accordance with forms or guidance from the permitting authority and in accordance with requirements of LAC 33:III.1701. [LAC 33:III.517.G]

- 141 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]

- 142 HAP: Comply with applicable provisions of NESHAP for Miscellaneous Organic Chemical Manufacturing, (MON). 40 CFR 63 Subpart FFFF, as promulgated. [40 CFR 63]

- 143 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A, as delineated in Table 12 of 40 CFR 63 Subpart FFFF. [40 CFR 63]

- 144 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

- 145 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]

- 146 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(ii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(ii)(B)]

- 147 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

- 148 Comply with all applicable provisions of 40 CFR 70. [40 CFR 70]

GRP039 Emissions from EQT403/EIQ156- BHT Flare

- 149 This alternate operating scenario involves using the Thiazole Flare EQT183/EIQ103 as backup to the BHT Flare EQT403/EIQ156 when the BHT Flare is out of service. Calculations for this scenario assumes that the Thiazole Flare will incur the flaring load for both the Thiazoles and Flexzone Units for the entire year. The BHT Flare controls emissions from the following:[UBOB Unit-Pending Permit 1186C-VO, Emission Points 156-35-PR-400, 156-35-RV-208, 156-PR-100A, 156-PR-100B, 156-PR-300, 156-PR-400, 156-PV-44];[BHT/B-NINE Unit-]; [Flexzone Unit-Permit 2333-V1, Emission Points EQT433, EQT434 (Flexzone Production and MIBK Recovery)], [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

GRP075 FACILITY WIDE

- 150 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 151 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 152 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 153 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 154 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I.]
- 155 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.]
- 156 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 157 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 158 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 159 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 160 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33:III.501.C.6]
- 161 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33:III.501.C.6]
- 162 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 163 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 164 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 165 Toxic Emissions Data Inventory: Submit Annual Emissions Report (TEDI). Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 166 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

GRP075 FACILITY WIDE

- 167 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.]
- 168 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 169 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 170 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a through viii. [LAC 33:III.5107.B.4]
- 171 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 172 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 173 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 174 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 175 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 176 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 177 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 178 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 179 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 180 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 181 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant
Activity Number: PER20030016
Permit Number: 2099-V2
Air - Title V Regular Permit Renewal

GRP075 FACILITY WIDE

- 182 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 183 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 184 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 185 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 186 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 187 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 188 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 189 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 190 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 191 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 192 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 193 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 194 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 195 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 196 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 197 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 198 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 199 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 200 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 201 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

GRP075 FACILITY WIDE

- 202 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 203 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 204 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 205 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 206 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division. [LAC 33:III.5911.A]
- 207 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 208 Comply with all applicable requirements of LAC 33:III.5913. [LAC 33:III.5913]
- 209 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 210 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]
- 211 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 212 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]
- 213 Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 214 Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.E]
- 215 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 216 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]
- 217 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 218 Determine total annual benzene and comply with applicable control requirements as specified in 40 CFR 61.01 to 40 CFR 61.19. [40 CFR 61.Subpart FF]
- 219 Benzene: Submit an initial and annual benzene report as required by 40 CFR 61.354 - 61.357. [40 CFR 61.Subpart FF]
- 220 Shall comply with all applicable Asbestos Provisions. [40 CFR 61.Subpart M]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura USA Corp - Geismar Plant

Activity Number: PER20030016

Permit Number: 2099-V2

Air - Title V Regular Permit Renewal

GRP075 FACILITY WIDE

- 221 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 222 Shall comply with all applicable Chemical Accident Prevention Provisions. [40 CFR 68]
- 223 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82. Subpart F]